

# **EXHIBIT 15**

## PLMN-ID Survey Report

### 1. Full List of PLMN ID in United States

According to the ITU-T Document "Mobile Network Codes (MNC) for the international identification plan for public networks and subscriptions (According to Recommendation ITU-T E.212 (05/2008)) (POSITION ON 15 OCTOBER 2015)" <https://www.itu.int/pub/T-SP-E.212B-2015>, the full list of PLMN used in United States is listed below:

**Table 1: PLMN List in United States**

<b>Country or Geographical Area</b>	<b>Networks</b>	<b>MCC + MNC codes</b>
United States	Verizon Wireless	310 010
	Verizon Wireless	310 012
	Verizon Wireless	310 013
	Cricket Communications	310 016
	North Sight Communications Inc	310 017
	Union Telephone Company	310 020
	Centennial Communications	310 030
	ETEX Communications dba ETEX Wireless	310 035
	MTA Communications dba MTA Wireless	310 040
	Alaska Communications	310 050
	Consolidated Telcom	310 060
	AT&T	310 070
	Corr Wireless Communications LLC	310 080
	Cricket Communications	310 090
	New Mexico RSA 4 East Ltd. Partnership	310 100
	Pacific Telecom Inc	310 110
	Sprintcom Inc	310 120
	Carolina West Wireless	310 130
	GTA Wireless LLC	310 140
	Cingular Wireless	310 150
	T-Mobile USA	310 160
	Cingular Wireless	310 170
	West Central Wireless	310 180
	Alaska Wireless Communications LLC	310 190
	T-Mobile USA	310 200

T-Mobile USA	310 210
T-Mobile USA	310 220
T-Mobile USA	310 230
T-Mobile USA	310 240
T-Mobile USA	310 250
T-Mobile USA	310 260
T-Mobile USA	310 270
Contennial Puerto Rio License Corp.	310 280
NEP Cellcorp Inc.	310 290
Blanca Telephone Company	310 300
T-Mobile USA	310 310
Smith Bagley Inc, dba Cellular One	310 320
AWCC	310 330
High Plains Midwest LLC, dba Westlink Communications	310 340
Mohave Cellular L.P.	310 350
Cellular Network Partnership dba Pioneer Cellular	310 360
Docomo Pacific Inc	310 370
New Cingular Wireless PCS, LLC	310 380
TX-11 Acquistion LLC	310 390
Wave Runner LLC	310 400
Cingular Wireless	310 410
Cincinnati Bell Wireless LLC	310 420
GCI Communications Corp	310 430
Numerex Corp	310 440
North East Cellular Inc.	310 450
Newcore Wireless	310 460
nTELOS Communications Inc	310 470
Choice Phone LLC	310 480
T-Mobile USA	310 490
Public Service Cellular, Inc.	310 500
Nsighttel Wireless Inc	310 510
Transactions Network Services	310 520
Iowa Wireless Services LLC	310 530
Oklahoma Western Telephone Company	310 540
Wireless Solutions International	310 550
AT&T	310 560
MTPCS LLC	310 570
Inland Cellular Telephone Company	310 580
Verizon Wireless	310 590
New Cell Inc. dba Cellcom	310 600
Elkhart Telephone Co. Inc. dba Epic	310 610

Touch Co.	
Nsighttel Wireless Inc	310 620
Airadigm Communications	310 640
Jasper Wireless Inc.	310 650
T-Mobile USA	310 660
AT&T Mobility Vanguard Services	310 670
AT&T	310 680
Keystone Wireless LLC	310 690
Cross Valiant Cellular Partnership	310 700
Arctic Slope Telephone Association Cooperative	310 710
Wireless Solutions International Inc.	310 720
US Cellular	310 730
Convey Communications Inc	310 740
East Kentucky Network LLC dba Appalachian Wireless	310 750
Lynch 3G Communications Corporation	310 760
Iowa Wireless Services LLC dba I Wireless	310 770
D.D. Inc	310 780
PinPoint Communications Inc.	310 790
T-Mobile USA	310 800
LCFR LLC	310 810
South Canaan Cellular Communications Co. LP	310 820
Clearwire Corporation	310 830
Telecom North America Mobile Inc	310 840
Aeris Communications, Inc.	310 850
TX RSA 15B2, LP dba Five Star Wireless	310 860
Kaplan Telephone Company Inc.	310 870
Advantage Cellular Systems, Inc.	310 880
Verizon Wireless	310 890
Cable & Communications Corporation dba Mid-Rivers Wireless	310 900
Verizon Wireless	310 910
James Valley Wireless LLC	310 920
Copper Valley Wireless	310 930
Iris Wireless LLC	310 940
Texas RSA 1 dba XIT Wireless	310 950
UBET Wireless	310 960
Globalstar USA	310 970
Texas RSA 7B3 dba Peoples Wireless Services	310 980

	Worldcall Interconnect	310 990
	Mid-Tex Cellular Ltd.	311 000
	Chariton Valley Communications Corp., Inc.	311 010
	Missouri RSA No. 5 Partnership	311 020
	Indigo Wireless, Inc.	311 030
	Commnet Wireless LLC	311 040
	Thumb Cellular Limited Partnership	311 050
	Space Data Corporation	311 060
	Wisconsin RSA #7 Limited Partnership	311 070
	Pine Telephone Company dba Pine Cellular	311 080
	LongLines Wireless	311 090
	Nex-Tech Wireless LLC	311 100
	Verizon Wireless	311 110
	Choice Phone LLC	311 120
	Light Squared LP	311 130
	Cross Telephone Company	311 140
	Wilkes Cellular Inc.	311 150
	Light Squared LP	311 160
	PetroCom LLC	311 170
	Cingular Wireless, Licensee Pacific Telesis Mobile Services, LLC	311 180
	Cellular Properties Inc.	311 190
	ARINC	311 200
	Emery Telecom-Wireless Inc	311 210
	United States Cellular	311 220
	Cellular South Inc	311 230
	Cordova Wireless Communications Inc	311 240
	Wave Runner LLC	311 250
	Clearwire Corporation	311 260
	Verizon Wireless	311 270
	Verizon Wireless	311 271
	Verizon Wireless	311 272
	Verizon Wireless	311 273
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	Verizon Wireless	311 289
	Pinpoint Wireless Inc.	311 290
	Nexus Communications Inc	311 300
	Leaco Rural Telephone Company Inc	311 310
	Commnet Wireless LLC	311 320
	Bug Tussel Wireless LLC	311 330
	Illinois Valley Cellular	311 340
	Sagebrush Cellular Inc dba Nemont	311 350
	Stelera Wireless LLC	311 360
	GCI Communications Corp	311 370
	New Dimension Wireless Ltd	311 380
	Verizon Wireless	311 390
	Iowa RSA No. 2 Limited Partnership	311 410
	Northwest Missouri Cellular Limited Partnership	311 420
	RSA 1 Limited Partnership dba Cellular 29 Plus	311 430
	Bluegrass Cellular LLC	311 440
	Panhandle Telecommunication Systems Inc.	311 450
	Fisher Wireless Services Inc	311 460
	Vitelcom Cellular Inc dba Innovative Wireless	311 470
	Verizon Wireless	311 480
	Verizon Wireless	311 481
	Verizon Wireless	311 482
	Verizon Wireless	311 483
	Verizon Wireless	311 484
	Verizon Wireless	311 485
	Verizon Wireless	311 486
	Verizon Wireless	311 487
	Verizon Wireless	311 488
	Verizon Wireless	311 489
	Sprintcom Inc	311 490
	Mosaic Telecom Inc	311 500
	Light Squared LP	311 510

	Light Squared LP	311 520
	Newcore Wireless LLC	311 530
	Proximiti Mobility Inc	311 540
	Commnet Midwest LLC	311 550
	OTZ Communications Inc	311 560
	Bend Cable Communications LLC	311 570
	United States Cellular	311 580
	California RSA No3 Ltd Partnership dba Golden State Cellular	311 590
	Cox TMI Wireless LLC	311 600
	North Dakota Network Co.	311 610
	Terrestar Networks Inc	311 620
	Corr Wireless Communications	311 630
	Standing Rock Telecommunications	311 640
	United Wireless Inc	311 650
	Metro PCS Wireless Inc	311 660
	Pine Belt Cellular Inc dba Pine Belt Wireless	311 670
	GreenFly LLC	311 680
	TeleBeeper of New Mexico Inc	311 690
	TotalSolutions Telecom LLC	311 700
	Northeast Wireless Networks LLC	311 710
	Maine PCS LLC	311 720
	Proximiti Mobility Inc	311 730
	Telalaska Cellular	311 740
	NetAmerica Alliance LLC	311 750
	Edigen Inc	311 760
	Radio Mobile Access Inc	311 770
	Bluegrass Cellular LLC	311 800
	Blegrass Cellular LLC	311 810
	Kineti Wireless Inc	311 820
	Thumb Cellular LLC	311 830
	Nsight Spectrum LLC	311 840
	Nsight Spectrum LLC	311 850
	Uintah Basin Electronic Telecommunications	311 860
	Sprintcom Inc	311 870
	Sprintcom Inc	311 880
	Globecom Network Services Corporation	311 890
	Gigsky Inc.	311 900
	SI Wireless LLC	311 910
	Missouri RSA No 5 Partnership dba Charlton Valley Wireless Services	311 920

	Clearwire Corporation	311 940
	Sunman Telecommunications corp.	311 950
	Lycamobile USA Inc	311 960
	Big River Broadband LLC	311 970
	LigTel Communications	311 980
	VTel Wireless	311 990
	Charlton Valley Communication Corporation Inc	312 010
	Infrastructure Networks LLC	312 020
	Cross Wireless	312 030
	Custer Telephone Cooperative Inc	312 040
	Fuego Wireless LLC	312 050
	CoverageCo	312 060
	Adams Networks Inc	312 070
	South Georgia Regional Information Technology Authority	312 080
	Allied Wireless Communications Corporation	312 090
	ClearSky Technologies Inc	312 100
	Texas Energy Network LLC	312 110
	East Kentucky Network LLC dba Appalachian Wireless	312 120
	East Kentucky Network LLC dba Appalachian Wireless	312 130
	Cleveland Unlimited Inc	312 140
	Northwest Cell	312 150
	RSA1 Limited Partnership dba Chat Mobility	312 160
	Iowa RSA No. 2 Limited Partnership	312 170
	Keystone Wireless LLC	312 180
	Sprint-Nextel Communications Inc	312 190
	Voyager Mobility LLC	312 200
	Assigned to Public Safety	313 100
	Sprint-Nextel Communications Inc	316 010
	Southern Communications Services Inc.	316 011

## 2. Summary:

The reference document illustrated that "310", "311", "312", "313", "316" have been used as the MCC for mobile operators and all PLMN IDs in United States are 6-digit PLMN ID. Currently there is no clear procedure to apply the PLMN for fixed service and a new PLMN ID should be selected for FWA network operation and it is preferred to select a 5-digit PLMN ID.

## Appendix: Revision History

**Table A-1: Change History**

Version	Date	Description
V1.0.0	2015-11-06	PLMN-ID Survey Report